








Patent number: WO9847491
Publication date: 1998-10-29
Inventor: ODIDI ISA (CA); ODIDI AMINA (CA)
Applicant: ODIDI ISA (CA); ODIDI AMINA (CA)
Classification:
- international: **A61K9/20; A61K9/20;** (IPC1-7): A61K9/22
- european: A61K9/20H6F2; A61K9/20K2
Application number: WO1998CA00274 19980403
Priority number(s): US19970036551P 19970421

Also published as:

 WO9847491 (A3)
 CA2286684 (A1)

Cited documents:

 US5000962
 EP0226884
 EP0253490
 EP0157695
 US5015479
more >>

Report a data error here

Abstract of WO9847491

An extended release dosage composition of pharmaceutically active substances that have a water contact angle (θ) such that $\cos \theta$ is between +0.9848 and -0.9848 presented as a matrix tablet containing the said pharmaceutically active substances, with/without suitable pharmaceutical excipients in intimate mixture with two groups of intelligent polymers having opposing wettability characteristics, one demonstrating a stronger tendency towards hydrophobicity and the other a stronger tendency towards hydrophilicity, the polymer combination being between the ratios of 1:50 and 50:1 amounts effective to control the release of said pharmaceutically active substances in a mathematically predictable manner, wherein the polymer demonstrating a stronger tendency towards hydrophobicity is not less than 5 % wt/wt and preferably between 5-70 % wt/wt of the final formulation composition. The intelligent polymers being ethylcellulose (EC) as a more strongly hydrophobic and hydroxyethylcellulose (HEC) and/or hydroxypropyl methylcellulose (HPMC) as more strongly hydrophilic (the ratio of HEC to HPMC being between 1:100 and 100:1). The matrix tablet is optionally coated with an enteric coat, 0-5 % - 15 % wt/wt to prevent the initial burst effect seen in such systems and to impart gastrointestinal tract (GIT) "stealth" characteristics especially in the presence of food.

Data supplied from the **esp@cenet** database - Worldwide